

Title (en)

INTERNAL COMBUSTION ENGINE WITH VARIABLE COMBUSTION CHAMBER

Publication

**EP 0488431 A3 19920610 (EN)**

Application

**EP 91202223 A 19910831**

Priority

IT 171190 A 19901108

Abstract (en)

[origin: EP0488431A2] In an internal-combustion engine of new conception, either a mobile supplementary piston (3), or an oscillating membrane (9) is added in the cylinder (1) or a connecting rod (11) with variable length is adopted; which, suitably calibrated have the function of varying the volume of the combustion chamber (16), to maintain the compression pressure constant at all RPM rates and the ignition pressure limited at all RPM rates to improve the working cycle, modifying it, increasing its performance and efficiency, eliminating the detonation and the consequent use of anti-knock agents which pollute the atmosphere. <IMAGE>

IPC 1-7

**F02B 75/04**

IPC 8 full level

**F02B 75/04** (2006.01); **F02B 3/06** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)

**F02B 75/042** (2013.01); **F02B 3/06** (2013.01); **F02B 2075/025** (2013.01)

Citation (search report)

- [X] DE 3130767 A1 19830428 - BECKER ULRICH [DE]
- [X] FR 884757 A 19430826
- [X] DE 2753563 A1 19790607 - DAIMLER BENZ AG
- [X] FR 1135553 A 19570430
- [X] DE 3612842 A1 19871022 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] FR 828408 A 19380518
- [A] US 2393749 A 19460129 - ANTHONY CADELLA

Cited by

EP2260191A4; EP0603961A1; EP2000658A3; US5878701A; EP2290218A1; USRE41335E; WO2020078083A1; BE1011749A3; US8857404B2; JP2011513634A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0488431 A2 19920603**; **EP 0488431 A3 19920610**; IT 1243259 B 19940526; IT 9001711 A0 19901108; IT 9001711 A1 19920508

DOCDB simple family (application)

**EP 91202223 A 19910831**; IT 171190 A 19901108